IN THE CLAIMS

1. (canceled)

2. (currently amended) A method for monitoring a vehicle, comprising:

(a)   wirelessly receiving data, by a computer system and from a vehicle, the data comprising numerical diagnostic or location-based data associated with the vehicle;

(b)   processing the data with the computer system according to a mathematical algorithm to generate diagnostic or location information that is at least in part derived from the received data, ~~wherein the generated information comprises at least one of vehicle status reports and vehicle service recommendations~~, and wherein the derived information has a meaning distinct from the received data;

(c)   displaying the derived diagnostic or location information on at least one website, the website having a web interface for presenting information associated with the vehicle, wherein the interface includes at least one of an icon and a data field associated with derived information indicative of the vehicle's emissions performance; and

(d)   transmitting an electronic communication including information associated with the derived diagnostic or location information,

wherein the vehicle is selected from a group consisting of an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

3. (currently amended) The method of claim 2, wherein the received data contains information representative of one or more vehicle parameters and wherein the processing further includes processing at least one of the vehicle parameters with a database application.

4. (currently amended) The method of claim 3, wherein the processing further includes extracting information representative of at least one of the following vehicle parameters from the received data: numerical data, an alphanumeric text message, an active or pending diagnostic trouble code, and a vehicle identification number.

5. (previously presented) The method of claim 2, wherein the communication describes an active or pending diagnostic trouble code.

6. (previously presented) The method of claim 5, wherein the communication comprises a 5, 6, or 7 digit code that describes the active or pending diagnostic trouble code.

7. (previously presented) The method of claim 2, wherein the numerical diagnostic data associated with the vehicle comprises at least one of numerical data generated by a sensor in the vehicle, and numerical data generated by a computer within the vehicle.

8. (previously presented) The method of claim 7, wherein the numerical diagnostic data includes at least one of the following numerical parameters: diagnostic trouble codes, vehicle speed, fuel level, fuel pressure, miles per gallon, engine RPM, mileage, oil pressure, oil temperature, tire pressure, tire temperature, engine coolant temperature, intake-manifold pressure, engine performance tuning parameters, alarm status, accelerometer status, cruise-control status, fuel injector performance, spark-plug timing, and a status of an anti-lock braking system.

9. (previously presented) The method of claim 8, wherein the processing further comprises processing at least one numerical parameter from the numerical data with a mathematical algorithm.

3

10. (previously presented) The method of claim 9, wherein the processing further comprises comparing at least one numerical parameter with at least one numerical parameter generated at an earlier point in time.

11. (previously presented) The method of claim 10, wherein the displaying further comprises displaying at least one numerical parameter and at least one numerical parameter generated at an earlier point in time.

12. (previously presented) The method of claim 9, wherein the processing further comprises comparing at least one numerical parameter with at least one predetermined numerical value.

13. (previously presented) The method of claim 12, wherein the displaying further comprises displaying at least one numerical parameter and at least one predetermined numerical value.

14. (previously presented) The method of claim 12, wherein the at least one predetermined numerical value comprises a mileage value.

15. (previously presented) The method of claim 2, wherein the communication comprises an alert.

16. (previously presented) The method of claim 15, wherein the alert is associated with a problem in the vehicle or a predetermined maintenance event for the vehicle.

17-19. (canceled)

20. (previously presented) The method of claim 2, wherein the vehicle is at a location remote from the computer system.

21. (previously presented) The method of claim 2, further comprising updating software of the at least one website.

4

22. (currently amended) The method of claim 2, wherein the website includes at least username and password input fields.

23. (previously presented) The method of claim 2, wherein the communication describes the vehicle's location.

24. (canceled)

25. (currently amended) A method for monitoring a set of vehicles, comprising:

(a) wirelessly receiving, by a computer system and from a first vehicle and a second vehicle among a set of vehicles, first and second data packets comprising numerical diagnostic or location-based data associated respectively with the first and second vehicles;

(b) processing the respective data packets with the computer system according to a mathematical algorithm to generate, for each of the first and second vehicles, diagnostic or location information that is at least in part derived from the received data packets, wherein the generated information comprises at least one of vehicle status reports and vehicle service recommendations, and wherein the derived information has a meaning distinct from the received data packets;

(c) upon entry of a login associated with a first user, displaying the derived diagnostic or location information for the first vehicle only on a first web interface of a website, wherein the first interface includes at least one of an icon and data field associated with derived information indicative of the first vehicle's emissions performance;

(d) upon entry of a login associated with a second user, displaying the derived diagnostic or location information for the first and second vehicles on a second web interface of the website, wherein the second interface includes at least one of an icon and a data field associated with derived information indicative of the emissions performance of,

5

and corresponding to, each vehicle, the second web interface being different from the first

web interface; and

(e)   transmitting an electronic communication including information associated

with the derived diagnostic or location information,

wherein the first web interface is a customer interface directly accessible by a

customer,

wherein the second web interface is an interface for at least one organization

selected from a group consisting of a dealership, a service entity, an insurance entity, a

performance monitoring entity, and a survey entity, and

wherein the vehicles are selected from a group consisting of an automobile, truck,

wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle,

marine vehicle, and recreational vehicle.

26. (previously presented) The method of claim 25, wherein the processing further

includes extracting at least one of the following vehicle parameters from the first and

second data packets: numerical data, an alphanumeric text message, an active or pending

diagnostic trouble code, a vehicle identification number.

27. (previously presented) The method of claim 26, wherein the processing further

includes processing at least one of the vehicle parameters with a database application.

28. (previously presented) The method of claim 25, wherein the website comprises a

login web page including username and password input fields.

29. (currently amended) A method for monitoring a vehicle, comprising:

(a)   wirelessly receiving, by a computer system and from a vehicle, data

descriptive of the vehicle's location;

(b)   processing the received data with the computer system according to a mathematical algorithm to generate location information that is at least in part derived from the received data, ~~wherein the generated information comprises at least one of vehicle status reports and vehicle service recommendations,~~ and wherein the derived information has a meaning distinct from the received data; and

(c)   displaying the generated location information on a website, the website implementing a first web interface having a first login and dedicated to presenting information about a single vehicle, and a second web interface having a second login and presenting information about a group of vehicles including the vehicle, wherein at least one of an icon and a data field of the first web interface and at least one of an icon and a data field of the second web interface are associated with derived information indicative of, respectively, the single vehicle's or the group of vehicles' emissions performance,

wherein the first web interface is a customer interface directly accessible by a customer,

wherein the second web interface is an interface for at least one organization selected from a group consisting of a dealership, a service entity, an insurance entity, a performance monitoring entity, and a survey entity, and

wherein the vehicle is selected from a group consisting of an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

30. (canceled)

31. (currently amended) A programmed apparatus, programmed to execute a method comprising:

(a)   wirelessly receiving data, by a computer system and from a vehicle, the data comprising numerical diagnostic or location-based data associated with the vehicle;

(b)   processing the data with the computer system <u>according to a mathematical algorithm</u> to generate diagnostic or location information that is at least in part derived from the received data, ~~wherein the generated information comprises at least one of vehicle status reports and vehicle service recommendations,~~ and wherein the derived information has a meaning distinct from the received data;

(c)   displaying the derived diagnostic or location information on at least one website, the website having a web interface for presenting information associated with the vehicle<u>, wherein the interface includes at least one of an icon and data field associated with derived information indicative of the vehicle's emissions performance</u>; and

(d)   transmitting an electronic communication including information associated with the derived diagnostic or location information, and

wherein the vehicle is selected from a group consisting of an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

32. (previously presented) The programmed apparatus of claim 31, wherein the received data contains one or more vehicle parameters and wherein the processing further includes processing at least one of the vehicle parameters with a database application.

33. (previously presented) The programmed apparatus of claim 32, wherein the processing further includes extracting at least one of the following vehicle parameters from the received data: numerical data, an alphanumeric text message, an active or pending diagnostic trouble code, and a vehicle identification number.

34. (previously presented) The programmed apparatus of claim 31, wherein the communication describes an active or pending diagnostic trouble code.

35. (previously presented) The programmed apparatus of claim 34, wherein the communication comprises a 5, 6, or 7 digit code that describes the active or pending diagnostic trouble code.

36. (previously presented) The programmed apparatus of claim 31, wherein the numerical diagnostic data associated with the vehicle comprises at least one of numerical data generated by a sensor in the vehicle, and numerical data generated by a computer within the vehicle.

37. (previously presented) The programmed apparatus of claim 36, wherein the numerical diagnostic data includes at least one of the following numerical parameters: diagnostic trouble codes, vehicle speed, fuel level, fuel pressure, miles per gallon, engine RPM, mileage, oil pressure, oil temperature, tire pressure, tire temperature, engine coolant temperature, intake-manifold pressure, engine performance tuning parameters, alarm status, accelerometer status, cruise-control status, fuel injector performance, spark-plug timing, and a status of an anti-lock braking system.

38. (previously presented) The programmed apparatus of claim 37, wherein the processing further comprises processing at least one numerical parameter from the numerical data with a mathematical algorithm.

39. (previously presented) The programmed apparatus of claim 38, wherein the processing further comprises comparing at least one numerical parameter with at least one numerical parameter generated at an earlier point in time.

40. (previously presented) The programmed apparatus of claim 39, wherein the displaying further comprises displaying at least one numerical parameter and at least one numerical parameter generated at an earlier point in time.

41. (previously presented) The programmed apparatus of claim 38, wherein the processing further comprises comparing at least one numerical parameter with at least one predetermined numerical value.

42. (previously presented) The programmed apparatus of claim 41, wherein the at least one predetermined numerical value comprises a mileage value.

43. (previously presented) The programmed apparatus of claim 31, wherein the communication comprises an alert.

44. (previously presented) The programmed apparatus of claim 43, wherein the alert is associated with a problem in the vehicle or a predetermined maintenance event for the vehicle.

45-47. (canceled)

48. (previously presented) The programmed apparatus of claim 31, wherein the vehicle is at a location remote from the computer system.

49. (previously presented) The programmed apparatus of claim 31, wherein the website comprises at least username and password input fields.

50. (previously presented) The programmed apparatus of claim 31, wherein the communication describes the vehicle's location.

51. (canceled)

52. (currently amended) A machine-readable medium encoded with a plurality of processor-executable instructions for:

(a)   wirelessly receiving data, by a computer system and from a vehicle, the data comprising numerical diagnostic or location-based data associated with the vehicle;

(b)   processing the data with the computer system <u>according to a mathematical algorithm</u> to generate diagnostic or location information that is at least in part derived from the received data, ~~wherein the generated information comprises at least one of vehicle status reports and vehicle service recommendations,~~ and wherein the derived information has a meaning distinct from the received data;

(c)   displaying the derived diagnostic or location information on at least one website, the website having a web interface for presenting information associated with the vehicle, <u>wherein the interface includes at least one of an icon and data field associated with derived information indicative of the vehicle's emissions performance</u>; and

(d)   transmitting an electronic communication including information associated with the derived diagnostic or location information, and

wherein the vehicle is selected from a group consisting of an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

53. (previously presented) The machine-readable medium of claim 52, wherein the received data contains one or more vehicle parameters and wherein the processing further includes extracting at least one of the following vehicle parameters from the received data: numerical data, an alphanumeric text message, an active or pending diagnostic trouble code, and a vehicle identification number.

54. (previously presented) The machine-readable medium of claim 52, wherein the communication describes an active or pending diagnostic trouble code.

55. (previously presented) The machine-readable medium of claim 52, wherein the numerical diagnostic data associated with the vehicle comprises at least one of numerical data generated by a sensor in the vehicle, and numerical data generated by a computer within the vehicle.

56. (previously presented) The machine-readable medium of claim 55, wherein the numerical diagnostic data includes at least one of the following numerical parameters: diagnostic trouble codes, vehicle speed, fuel level, fuel pressure, miles per gallon, engine RPM, mileage, oil pressure, oil temperature, tire pressure, tire temperature, engine coolant temperature, intake-manifold pressure, engine performance tuning parameters, alarm status, accelerometer status, cruise-control status, fuel injector performance, spark-plug timing, and a status of an anti-lock braking system.

57. (previously presented) The machine-readable medium of claim 56, wherein the processing further comprises processing at least one numerical parameter from the numerical data with a mathematical algorithm.

58. (previously presented) The machine-readable medium of claim 57, wherein the processing further comprises comparing at least one numerical parameter with at least one numerical parameter generated at an earlier point in time.

59. (previously presented) The machine-readable medium of claim 52, wherein the communication comprises an alert.

60-62. (canceled)

63. (currently amended) A graphical user interface for displaying processed information for a set of vehicles, comprising:

a viewing device displaying a graphical user interface including:

12

(a)   a first interface displaying information associated with a set

of vehicles and viewable by at least one organization; and

(b)   a second interface displaying information associated with a

single vehicle among the set of vehicles;

wherein the information displayed by the first interface and the second interface ~~is~~

includes diagnostic or location information, at least in part derived from data wirelessly

received by a computer system from one or more ~~a vehicle~~ vehicles and processed

according to a mathematical algorithm, ~~and wherein the information comprises at least one~~

~~of vehicle status reports and vehicle service recommendations,~~ and wherein the derived

information has a meaning distinct from the received data,

wherein the first interface is an interface that includes at least one of an icon and

data field associated with derived information indicative of the set of vehicles' emissions

performance for the at least one organization selected from a group consisting of a

dealership, a service entity, an insurance entity, a performance monitoring entity, and a

survey entity, and

wherein the set of vehicles is selected from a group consisting of an automobile,

truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair

vehicle, marine vehicle, and recreational vehicle.

64. (previously presented) The graphical user interface of claim 63, wherein the

displayed graphical user interface further comprises at least username and password input

fields.

65. (canceled)

66. (previously presented) The graphical user interface of claim 63, wherein the information displayed by the first interface and the second interface comprises historical status information.

67. (previously presented) The graphical user interface of claim 63, wherein the displayed graphical user interface includes a web browser.

68. (previously presented) The graphical user interface of claim 63, wherein the displayed graphical user interface is formatted using at least one wireless access protocol (WAP).

69. (previously presented) The graphical user interface of claim 63, wherein the viewing device is one of a cellular telephone, a personal digital assistant (PDA), or a computer.

70. (canceled)

71. (currently amended) The method of claim 2, wherein the ~~vehicle status reports and the vehicle service recommendations comprise icons~~ at least one of the icon or data field are displayed in a predetermined color to indicate whether an output of the algorithm satisfies emission criteria that the vehicle's emission equipment is not malfunctioning and that a user of the vehicle has driven in a manner that reduces ~~the vehicle's diagnostic status~~.

72. (currently amended) The method of claim 25, wherein the ~~vehicle status reports and the vehicle service recommendations comprise~~ icons and data fields are displayed in a predetermined color to indicate whether an output of the algorithm corresponding to a given vehicle satisfies emission criteria that the vehicle's emission equipment is not

malfunctioning and that a user of the corresponding vehicle has driven in a manner that reduces emission ~~indicating the vehicle's diagnostic status~~.

73. (currently amended) The method of claim 29, wherein the ~~vehicle status reports and the vehicle service recommendations comprise~~ icons and data fields indicate that ~~indicating~~ the vehicle's, or the vehicles', ~~diagnostic status~~ emission equipment is not malfunctioning and that a user, or users, of the corresponding vehicle, or vehicles, have driven in a manner that reduces emission.

74. (canceled)

75. (currently amended) The programmed apparatus of claim 31, wherein the ~~vehicle status reports and the vehicle service recommendations comprise~~ at least one of an icon or data field are displayed in a predetermined color to indicate whether the algorithm's output satisfies emission criteria that the vehicle's emission equipment is not malfunctioning and that a user of the vehicle has driven in a manner that reduces emission ~~icons indicating the vehicle's diagnostic status~~.

76. (currently amended) The machine-readable medium of claim 52, wherein the at least one of the icon or data field are displayed in a predetermined color to indicate whether the algorithm's output satisfies emission criteria that the vehicle's emission equipment is not malfunctioning and that a user of the vehicle has driven in a manner that reduces emission ~~vehicle status reports and the vehicle service recommendations comprise icons indicating the vehicle's diagnostic status~~.

77. (currently amended) The graphical user interface of claim 63, wherein the at least one of the icon or data field are displayed in a predetermined color to indicate whether the algorithm's output satisfies emission criteria that the vehicle's emission equipment is

15

not malfunctioning and that a user of the vehicle has driven in a manner that reduces emission ~~vehicle status reports and the vehicle service recommendations comprise icons indicating the vehicle's diagnostic status~~.

78-79. (canceled)

80. (Previously presented) The method of claim 2 further comprising the website having a login web page, wherein entering a login associated with a first group of users causes the website to display a first web interface dedicated to presenting information associated with a single vehicle, and wherein entering a login associated with one of a second group of users causes the website to display a second web interface presenting information associated with a group of vehicles including the single vehicle.

81. (Previously presented) The method of claim 80, wherein the second web interface is an interface for at least one organization selected from a group consisting of a dealership, a service entity, an insurance entity, a performance monitoring entity, and a survey entity.

82. (canceled)

83. (canceled)

84. (Previously presented) The apparatus of claim 31, further comprising the website having a login web page, wherein entering a login associated with a first group of users causes the website to display a first web interface dedicated to presenting information associated with a single vehicle, and wherein entering a login associated with one of a second group of users causes the website to display a second web interface presenting information associated with a group of vehicles including the single vehicle.

85. (Previously presented) The method of claim 84, wherein the second group of users comprises at least one organization selected from a group consisting of a dealership, a service entity, an insurance entity, a performance monitoring entity, and a survey entity.